

Abstract

The invention relates in general to surfaces along which media, e.g. gases, liquids or multi-phase mixtures are  
5 flowing, especially to a device for transportation of a flowing medium and/or for heat exchange between a flowing medium and the device and also to the application of such devices.

10 The invention proposes a surface with dimples, the edges of which are rounded, thereby forming a central dimple area and at least one curvature area for each dimple, which continuously connects the dimple to the surrounding surface.

15 For reducing particle deposition and ice formation on a surface along which a medium flows, the invention further proposes a device for transportation of a flowing medium and/or for heat exchange between a flowing medium and the  
20 device, which comprises at least one such surface with a plurality of dimples.

The invention further proposes a layer comprising the surface, methods for producing the surface and also the  
25 application of a device provided with such surface in an air-conditioning system.

(Fig. 1)